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CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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COUNTRY	East Germany	REPORT		25X1
SUBJECT	Elektrochemisches Kombinat Bitterfeld, Production in 1953	DATE DISTR.	23 February 1954	
DATE OF INFO.		NO. OF PAGES	9	
PLACE ACQUIRED		REQUIREMENT		25X1
		REFERENCES		25X1
This is UNEVALUATED Information				25X1

THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.
THE APPRAISAL OF CONTENT IS TENTATIVE.
(FOR KEY SEE REVERSE)

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Product	Unit of Measurement	1953 Plan ¹		Realization January to September 1953	
		Original	Revised ²	Total production	Dis-tributed
South Works					
1. Inorganic Department					
Caustic soda lye	tons	19,300	21,170	16,365	12,511
Caustic potash lye	tons	24,200	22,848	16,870	1,560
Caustic potash solid	tons	5,600	4,862	3,619	3,583
Chlorine gaseous	tons	31,460	32,192	24,282	-
Chlorine liquid	tons	8,956	8,995	6,660	4,315
Hydrogen (uncompressed)	1,000 m ³	18,650	18,742	14,317	-
Hydrochloric acid	tons	28,000	32,165	23,208	13,720
Calcium chloride lye			4,073	3,218	2,717
Potassium chlorate } Sodium chlorate }	tons	18,600	18,482	14,064	14,129
Agrosan ⁸	tons	160	88	146	146
Wegerein	tons	300	265	394	394

25 YEAR RE-REVIEW

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STATE	<input checked="" type="checkbox"/>	ARMY	<input checked="" type="checkbox"/>	NAVY	<input checked="" type="checkbox"/>	AIR	<input checked="" type="checkbox"/>	FBI	<input checked="" type="checkbox"/>	AEC	<input checked="" type="checkbox"/>	DRR Ev	<input checked="" type="checkbox"/>		
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(Note: Washington Distribution Indicated By "X"; Field Distribution By "#".)

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Product	Unit of Measurement	1953 Plan		Realization January to September 1953	
		Original	Revised	Total pro- duction	Dis- tributed
Anforstan ⁸	tons	150	173	141	141
Potassium dichromate	tons	5,000	4,778	3,794	2,072
Chromic acid	tons	560	435	332	332
Basochrom	tons	1,080	1,123	739	739
Chrome alum	tons	300	317	165	167
Chromic oxide	tons	250	153	103	91
Potassium carbonate	tons	12,000	11,332	7,720	7,589
Graphite electrodes for chemical industry	tons	3,800	3,545	2,210	701
Graphite electrodes for metallurgical industry	tons	10,700	10,255	7,990	7,990
Crude yellow phosphorus	tons	1,480	1,855	2,511	-
Pure yellow phosphorus	tons	1,465	1,858	2,530	1,658
Red phosphorus	tons	120	135	111	110
Ferrophosphorus	tons	180	182	197	197
Barium chloride	tons	1,200	1,128	723	614
Titanium dioxide	tons	2,000	1,450	1,097	968
Potassium permanganate	tons	2,000	2,010	1,719	1,599
Acid fast putty	tons	1,350	1,473	1,173	1,173
Oxygen	1,000 m ³	1,320	1,338	1,015	602
Nitrogen (compressed)	1,000 m ³	150	182	141	141
Compressed air	1,000 m ³	30	28	21	21
Generator tar	tons	2,000	2,121	1,626	1,626
Coal-tar oil	tons	520	639	624	543
Igurit heat exchanges	pieces	162	256	125	125
Quicklime	tons	4,000	4,125	3,220	426
Boric acid chrystallized	tons	42	36	36	40
Thawing agents	tons	-	-	38	38
Boron carbide	Kg	-	-	499	339
Dried carnallite	tons	-	-	69	69

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Product	Unit of Measurement	1953 Plan		Realization January to September 1953	
		Original	Revised	Total production	Dis-tributed
Iron chloride	tons	-	-	379	380
Elrasal ¹⁰	tons	-	-	198	198
Treated graphite	tons	-	-	2	2
Graphite powder	tons	-	-	191	147
Potassium sulphate	tons	-	-	72	4
Silicic acid	tons	-	-	68	-
Colloidal graphite	tons	-	-	5	5
Manganese carbonate	tons	-	-	16	16
Manganese chloride (aq)	tons	-	-	7	2
Manganite	tons	-	-	144	141
Weldon mud	tons	-	-	198	181
Phosphorus kiln dust	tons	-	-	280	280
Potash lye	tons	-	-	1	1
Enamel	tons	-	-	2	2
Tisil	tons	-	-	124	124
2. Nitrogen Department					
Nitric acid (unrefined)	tons	96,280	96,699	72,126	-
Calcium ammonium nitrate	tons	177,700	179,926	134,253	27,338
Ammonium nitrate (techn.)	tons	5,120	5,271	4,220	4,220
Sodium nitrate/nitrate lye	tons	2,400	2,201	1,614	1,615
3. Organic Department					
Chlorobenzene	tons	4,200	4,463	3,520	1,029
Ortho-dichlorobenzene	tons	250	204	155	133
Para-dichlorobenzene	tons	500	409	245	245
Lighter fuel	1,000 bots	480	493	379	379
Phosphorus trichloride (crude)	tons	3,035	2,259	1,678	-
Phosphorus trichloride (pure)	tons	150	235	169	155
Phosphorus oxychloride	tons	3,200	2,230	1,651	3
Benzotrichloride (crude)	tons	405	454	415	-
Benzyl- and benzylene chloride	tons	160	171	141	142
Gesarol ⁹	tons	3,600	3,750	2,971	2,920

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Product	Unit of Measurement	1953 Plan		Realization January to September 1953	
		Original	Revised	Total pro- duction	Dis- tributed
Tricresylphosphate	tons	6,000	3,880	2,810	1,653
Triphenylphosphate	tons	240	50	75	60
Benzoic acid	tons	180	204	184	184
Carbon tetrachloride	tons	4,800	5,560	4,391	4,409
Sulphur in lumps	tons	1,920	2,317	1,796	1,792
Chloral	tons	2,300	2,442	1,895	366
HCC active material	tons	25	14	14	1
Duplexan ⁸ Hexitan ⁸ Silvexan ⁸	tons	2,000	1,020	1,111	1,110
Hexitol ⁸	tons	20	11	7	7
Duplexol ⁸	tons	10	11	11	11
Duplinon ⁸	tons	10	10	9	9
Aerosol ⁸	tons	3	8	8	8
Oxalic acid (cryst)	tons	2,100	1,911	1,445	1,399
Calcium formate	tons	1,800	2,082	1,649	106
Formic acid	tons	840	890	675	621
Kofa salt ¹¹	tons	450	292	148	148
Hydrochloric acid	tons	7,000	6,849	5,190	4,672
Benzene, last returns	tons	-	-	18	18
Benzene, first returns	tons	-	-	21	21
Chloralhydrate	tons	-	-	1	1
Chloroform (techn)	tons	-	-	14	18
Etingal ¹²	tons	-	-	1	1
Phosphorus pentachloride	tons	-	-	9	9
Silvexol ⁸	tons	-	-	1	1
Plasticiser K.P.	tons	-	-	33	33
Tri-ethylphosphate	tons	-	-	5	5
Sulphur dichloride	tons	-	-	3	3
Methylene chloride	tons	-	-	37	27
Benzoyl chloride	tons	-	-	2	2
2. Plastic Department					
Igelit P.C.U.	tons	5,700	4,366	3,054	132

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Product	Unit of Measurement	1953 Plan		Realization January to September 1953	
		Original	Revised	Total pro- duction	Dis- tributed
Igelit P.C.	tons	1,440	1,348	988	866
Vinidur semifinished					
-foil	tons	2,050	2,128	1,748	593
-tubes and bars	tons	660	612	412	301
-welding rods	tons	30	29	20	19
-plates and blocks	tons	60	57	45	-
Igelit semifinished					
-sheet	tons	2,000	2,243	1,443	796
-pressed sheet	tons	360	268	237	227
-soles	tons	600	578	360	360
-injection and press material	tons	1,200	789	656	656
-gasket material	tons	120	48	35	35
-floor and furniture covering	1,000 m ³	1,000	1,918	1,564	1,564
-hose, pipes, etc.	tons	255	235	190	190
-printed tablecloths	1,000 pieces	1,380	1,318	978	978
-embossed tablecloths	1,000 pieces	420	374	200	200
-adhesive solutions	tons	420	414	305	299
-paint bases	tons	800	782	596	596
-pastes	tons	4,800	4,997	3,801	2,277
-pre-set soles	tons	390	435	337	-
-sprayed soles	tons	660	787	689	627
-soles and heels	tons	300	259	145	145
-special products	tons	50	37	26	26
-boots	1,000 pairs	420	442	354	354
-shoes	1,000 pairs	84	89	71	71
Vinidur products					
-pressed parts	tons	28	36	31	31
-pressed containers	tons	84	84	59	59
-packing cases	tons	480	521	437	437
-gutters and rain pipes	tons	480	488	393	393
-aprons, etc.	1,000 pieces	232	228	250	250

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Product	Unit of Measurement	1953 Plan		Realization January to September 1953	
		Original	Revised	Total pro- duction	Dis- tributed
-typewriter covers	1,000 pieces	-	-	481	481
-sacks	1,000 pieces	-	-	37,700	37,700
-bags	1,000 pieces	-	-	2,250	2,250
-special products	tons	-	-	5	5
-thinners	tons	-	-	2	2
North Works					
Chemical Department					
Caustic soda lye	tons	44,700	44,223	33,970	25,949
Caustic soda solid	tons	10,800	9,461	6,328	3,587
Gaseous chlorine	tons	38,440	38,020	28,995	-
Liquid chlorine	tons	10,250	10,670	7,900	5,114
Hydrogen uncompressed	1,000 m ³	11,350	10,946	8,515	-
Hydrogen compressed	1,000 m ³	650	681	536	536
Barium carbonate	tons	2,400	2,405	1,560	1,141
Hormit spray	tons	180	141	116	84
Hormin dust	tons	1,100	868	680	680
Caustic potash with low chlorine content	tons	2,400	2,144	2,240	2,239
Chloride of lime	tons	2,400	2,697	2,072	2,060
Sodium hypochlorite bleaching lye	tons	6,600	7,108	6,108	5,968
Tooth paste	tons	3,000	2,285	2,331	2,331
Siliron and trosilin ¹³	tons	26,000	22,808	19,135	19,067
Synthetic precious stones	tons	3,600	3,275	2,651	2,651
Soup flavoring	tons	540	878	658	677
Granulated soup	tons	240	358	268	268
Soup cubes	tons	240	251	193	193
Sauce cubes	tons	106	110	91	91
Albumin powder	tons	500	634	623	623
Cerium spark metal	tons	7.2	8	6	6
Calcium-aluminum alloy	tons	36	39	32	32

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Product	Unit of Measurement	1953 Plan		Realization January to September 1953	
		Original	Revised	Total pro- duction	Dis- tributed
Bearing metal	tons	120	206	87	87
Ferrochromium ³	tons	1,200	851	661	656
Tungstic acid	tons	30	48	37	22
Tungsten metal	tons	-	12	12	12
Molybdenum (chem. pure)	tons	6	6	5	5
Sulphuric acid (regenerated)	tons	-	1,505	1,231	1,011
Alkaline filling material	tons	-	-	64	64
Aluminum nickel-powder	Kg	-	-	1,675	1,675
Aluminum oxide	Kg	-	-	753	753
Barium metal	Kg	-	-	906	906
Calcium chloride powder 95%	tons	-	-	432	355
Cobalt metal powder	Kg	-	-	9,310	9,310
Cobalt oxalate (for catalysts)	Kg	-	-	1,484	-
Synthetic precious stones	Kg	-	-	1,715	1,715
Magnesium-nickel alloy	tons	-	-	4	4
Molybdenum (techn.)	Kg	-	-	314	314
Molybdic acid	Kg	-	-	220	43
Cobalt sulphate	tons	-	-	1	1
2. Metal Department					
Foundry aluminum	tons	21,500	15,640	13,088	6,402
Purest aluminum	tons	185	285	220	215
Aluminum powder	tons	1,800	1,165	757	37
Aluminum alloy slabs	tons	-	-	1,078	373
Aluminum rivet alloys from scrap	tons	5,360	4,844	3,667	3,353
Aluminum alloy castings from scrap	tons	640	556	341	-
Alloys from foundry aluminum	tons	-	-	374	343
Aluminum mold alloys	tons	4,300	6,020	5,757	1
Semifinished products in aluminum alloy	tons	3,300	4,628	4,244	4,131
Die-press products in aluminum alloy	tons	30	36	38	38

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Product	Unit of Measurement	1953 Plan		Realization January to September 1953	
		Original	Revised	Total pro- duction	Dis- tributed
Aluminum alloy castings	tons	1,300	1,000	806	804
Magnesium alloy from scrap	tons	850	700	637	460
Molds from magnesium alloys	tons	-	-	15	-
Die-press products from magnesium alloys	tons	-	-	17	17
Magnesium alloy castings	tons	70	40	27	19
Vinidur buckets	1,000 pieces	200	222	180	180
Welding alloys	tons	180	178	135	135
Sheet castings	tons	350	617	469	469
Magnet alloys	tons	300	133	92	92
Aluminothermic manganese	tons	36	39	31	22
Ferromolybdenum ⁴	tons	400	95	68	68
Ferrotitanium ⁵	tons	150	139	72	68
Ferrotungsten ⁶	tons	180	290	249	249
Ferrovanadium ⁷	tons	40	40	24	24
Special iron powder	tons	-	45	30	30
Cast iron	tons	-	-	6	6
Light metal electrodes	tons	-	-	9	8
Al - Fe alloys	tons	-	-	5	5
Bronze	tons	-	-	1	-
Welding powder, autogal	tons	-	-	3	2

Comments:

25X1

- The data in this report has been slightly rearranged in order to (a) facilitate comparisons between the original 1953 Plan and the modified one of July 1953, and to (b) throw into greater relief the actual production figures and enable the amounts retained in the works for further processing to be calculated more easily. The term "distributed" has been substituted for "sold" as the latter is possibly misleading. Some, and in certain cases most, of the production shown under the column entitled "Distributed" has been sold for export, but all the remainder is distributed within East Germany, either to other plants as raw material or to one of the distributing agencies.
- The changes in the 1953 Plan after June do not on the whole appear to be remarkable except as regards tricresylphosphate, foundry aluminum and one or two of the ferro-alloys. It is worth noting that the production of purest aluminum, red phosphorus, and titanium dioxide are all well ahead of schedule.

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3. The original planned production of 1,200 tons of ferrochromium represented the full capacity of the plant erected in 1952, but because of a reduced demand the plan was revised to 850 tons. Reserves are available.
4. This metal is at present being produced in a provisional plant; the new aluminothermic plant for the production of both ferromolybdenum and ferrotitanium will go into operation on 20 November 1953, and will have an annual capacity of 400 tons ferromolybdenum and 150 tons ferrotitanium. It is unlikely that the plant will be used to full capacity owing to a reduction in the demand for these metals. The 1953 plan was drastically reduced after 25 June 1953, on this account.
5. See Comment 4. Some of this metal was produced in the chemical department, but is entered here for convenience of reference.
6. This metal is at present produced in the electric furnaces of the steel casting department. A new plant in the metal department with an annual production capacity of 600 tons ferrotungsten was planned in 1952 and construction was started. Work on this was stopped in July 1953, however, and it is now doubtful if it will be completed. There are large reserves of the metal on hand.
7. Production has so far been carried on in the same plant as that used for ferrotungsten and was to have been transferred to the new plant, which was to have had an annual capacity of 60 tons ferrovanadium.
8. Anti-pest powder and solution.
9. Anti-pest chemical based on benzylene chloride.
10. Dissolving salt for aluminum and magnesium alloys.
11. Thawing salt.
12. De-foaming chemical.
13. Washing powders on a silicate base.

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